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L11: Entry 8 of 11

File: DWPI

Nov 2, 1993

DERWENT-ACC-NO: 1993-382261

DERWENT-WEEK: 199348

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TITLE: Antibacterial surgical dressing preventing invasion of water and infection - composed of a polyurethane elastomer film with an adhesive layer, one or both including antibacterial zeolite

## PATENT-ASSIGNEE:

ASSIGNEE

CODE

TERUMO CORP

TERU

PRIORITY-DATA: 1992JP-0086848 (April 8, 1992)

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## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <a href="#">JP 05285209 A</a>	November 2, 1993		004	A61L015/16

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 05285209A	April 8, 1992	1992JP-0086848	

INT-CL (IPC): A61F 13/00; A61L 15/16

ABSTRACTED-PUB-NO: JP 05285209A

## BASIC-ABSTRACT:

The dressing consists of a film of a thermoplastic polyurethane elastomer(s) having an adhesive layer on one side. The film and/or layer contains an antibacterial zeolite.

The elastomer film is pref. a compact polyurethane film of average pore dia. 0.01-10 microns and film thickness 20-200 microns and a composite film consisting of the polyurethane film and a microporous polyurethane foam of average pore dia. 0.01-10 microns and film thickness 20-200 microns. The elastomer pref. has a permeability of water vapour of 500-10,000 g/m<sup>2</sup> . 24 hrs.. The adhesive is pref. a one-liq. heat crosslinking acryl type adhesive(s). The zeolite contains antibacterial metal ion (s) such as silver, copper and zinc ions. The ion(s) are typically introduced through cation exchange. The polyurethane may be a segmented one composed of a hard segment(s) such as ethylene diisocyanate and dimethyl diphenyl methane diisocyanate and soft segment(s) such as polyols and polycarbonates.

USE/ADVANTAGE - The dressing allows air and water vapour to pass through but blocks water and germs. It eliminates the need of replacement on showering.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: ANTIBACTERIAL SURGICAL DRESS PREVENT INVADE WATER INFECT COMPOSE  
POLYURETHANE ELASTOMER FILM ADHESIVE LAYER ONE ANTIBACTERIAL ZEOLITE

DERWENT-CLASS: A96 D22 F07 P32 P34

CPI-CODES: A05-G01E; A12-V03A; D09-C04B; D09-C06; D09-E; F04-E04;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 5405U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 017 ; G1898 G1887 G1854 G1843 D01 D11 D10 D19 D18 D32 D50 D93  
F73 ; G1934 G1854 G1843 D01 F73 D11 D10 D50 D84 ; P1592\*R F77 ; H0135 H0124 ; S9999  
S1285\*R ; P0942 P0931 P1592 P0839 H0260 F44 F77 ; H0011\*R Polymer Index [1.2] 017 ;  
P1592\*R F77 ; S9999 S1309\*R ; S9999 S1285\*R Polymer Index [1.3] 017 ; B9999 B5221  
B4740 ; B9999 B5243\*R B4740 ; B9999 B4875 B4853 B4740 ; K9574 K9483 ; K9687 K9676 ;  
K9698 K9676 ; K9712 K9676 ; Q9999 Q8015 Q7987 ; B9999 B5447 B5414 B5403 B5276 ;  
ND01 Polymer Index [1.4] 017 ; G3441 D00 F80 Al 3A Si 4A O\* 6A Cu 1B Tr Ag Zn 2B ;  
A999 A044\*R Polymer Index [2.1] 017 ; P0088\*R ; M9999 M2073 Polymer Index [2.2]  
017 ; B9999 B4988\*R B4977 B4740 ; Q9999 Q6644\*R ; B9999 B5221 B4740 ; B9999 B5243\*R  
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POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0004 0010 0069 0132 0135 0138 0141 0144 0147 0150 0153 0165 0168 0171  
0183 0186 0189 0192 0205 0231 1288 1291 1294 1296 1762 1770 2020 2304 2513 2536  
2653 2654 2680 2682 2718 3256 3286

Multipunch Codes: 017 032 038 04- 06- 07- 08& 08- 09& 09- 10& 10- 143 144 15- 150  
157 17& 17- 18& 19- 20& 20- 209 210 212 229 239 300 435 477 491 540 55& 575 58& 582  
595 596 645 017 04- 06- 07- 08& 08- 09& 09- 10& 10- 15- 17& 17- 18& 19- 20& 20- 229  
231 300 473 477 540 55& 575 58& 595 596 609 645

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1993-169390

Non-CPI Secondary Accession Numbers: N1993-295527

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231 300 473 477 540 55& 575 58& 595 596 609 645

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1993-169390

Non-CPI Secondary Accession Numbers: N1993-295527

**WEST**

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L3: Entry 4 of 14

File: USPT

Mar 7, 2000

DOCUMENT-IDENTIFIER: US 6033705 A

TITLE: Method for treating foodstuffs to reduce or prevent microbial activity

Brief Summary Text (16):

Szezesniak et al., U.S. Pat. No. 4,075,357, teaches salt combined with a secondary salt selected from alkali metal salts of organic acids and trisodium orthophosphate, polyphosphate, metaphosphate and ultraphosphate. Citrates are preferably combined with sodium chloride. These mixtures are used to control water activity in intermediate moisture cooked food.

Detailed Description Text (16):

The above examples are exemplary and should not be taken as limiting the invention. The invention is applicable to any foodstuff particularly those which may benefit from application of an antimicrobial agent to its surface. It is contemplated that the compounds, films and methods of the invention have applicability to both animal-derived and plant-derived foodstuffs including but not limited to foodstuffs of all types (such as beef, pork, chicken, turkey, fish, etc.) primal and sub-primal cuts of meat, luncheon meats, hams, lamb, steak, hamburger, and poultry including chicken, turkey, duck, goose, as well as fish, and dairy products such as semi-soft and hard cheeses, processed cheese, powdered milk and vegetable products including lettuce, tofu, coleslaw, soybean derived protein substitutes for meat, etc. The film may also be used for packaging other processed foods such as dehydrated gravy mixes, soup mixes, and dried spices. The non-aqueous nature of the compound insures that it will not alter the taste, texture or appearance of the foodstuff.